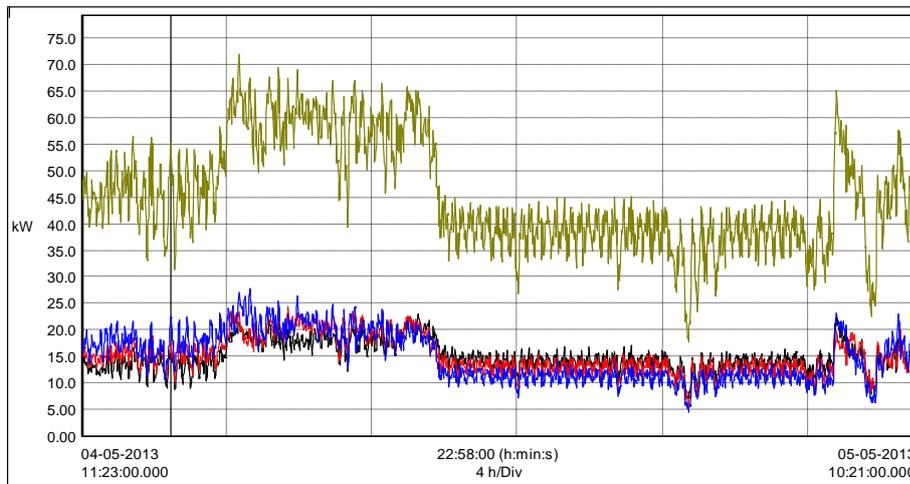


Case Study: **Profiling of Energy (Power) Consumption Pattern**

SENERGY Consultants (P) Ltd

Background:

While conducting energy audit for an office premises, the energy (power) consumption was monitored for the period of entire period of 24 hours.



Operating Scenario:

- The normal office period is 24 hours; of which the occupancy was 100% during first shift and 50 to 60% during other two shifts.
- The premises were located on the fifth floor of a multistory building; with meter located at ground floor.
- There consumption recorded in the main meter (supplied by the electricity supply company) was considerably higher than the data recorded during the audit.
- The main meter readings were recorded at an interval of 10 minutes to validate the readings.
- Further investigation revealed unscrupulous connection between the main meter and the office premises.

Energy Conservation Measures:

The above concerns and issues were addressed by

- Identifying the source of such activity.
- Removing the unscrupulous connection.
- Warning the concern entity and recovering the dues with penalty.

Outcome:

- The overall energy consumption of the premises reduced by around 25%.

SCPL-CS-11

Helping You to Conserve Resources

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